

Amendment to the Specification

Please amend the specification as follows:

At page 13 lines 12-19, please amend the paragraph as follows:

A video program in the form of video signal is transmitted from a signal source to an encoder. An ~~Operator~~ operator interacts with the encoder to control its operation. A carrier signal is selectively encoded in the video signal by the encoder over one or more sets of two frames of the video signal for a time interval by the operator for signaling purposes, such as to signal signal presences and signal absences over desired intervals in the video signal.

At page 13 line 21 - page 14 line 4, please amend the paragraph as follows:

Upon modulating the video signal, the encoder outputs a modulated video signal comprised of the video signal and the carrier signal. The ~~Modulated~~ modulated video signal is then provided to a broadcast source for dissemination or distribution to one or more end-users who view the video program. The broadcast source provides the modulated video signal to a decoder, which passes the modulated video signal through to the digital display device unaltered.

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At page 14 line 22 - page 15 line 17, please amend the paragraph as follows:

The preferred encoding method of the present invention is by generating the video signal in real time or pre-recorded at the signal source. Thereafter, the video signal is provided to the encoder from the signal source. The encoder then stores the chrominance value of the digitized video signal in storage. The ~~Operator~~ operator then directs the encoder through various indications received by the encoder through the carrier signal presence on the inclusion of signal presences and signal absences in selected pairs of frames of the video signal. Upon receipt of the indications from the operator, the encoder first determines the timing of where the fields of the frames of the video signal start by use of the vertical synchronization signal. The ~~Encoder~~ encoder thereafter determines whether to encode a signal absence or signal presence based on the indication received through the carrier signal presence. If the encoder does not receive any instructions via the carrier signal presence to modify the video signal, the encoder encodes signal absences. However, when the encoder seeks to encode a signal presence, the encoder modifies the luminance of two frames of the video signal so as to modulate the video signal.

At page 16 lines 12-19, please amend the paragraph as follows:

To detect carrier signals by use of the present invention, in the preferred embodiment preferably a detector in hand-held form is outfitted with a photodetector used to visually detect overall light energy emanating from the digital display device. A hand-held device typically is outfitted with a photodetector,

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microcontroller, memory and other circuitry to receive and process the modulated video signal. The microcontroller and circuitry of the hand-held device filter all frequencies over 60 Hertz. Thereafter, the remaining signal present is a low frequency amplitude modulated signal.

At page 32 lines 11-22, please amend the paragraph as follows:

Operator 16 at step 106 directs encoder 12 through various indications received by encoder 12 through carrier presence 38 on the inclusion of signal presences and signal absences in selected pairs of frames of video signal 18. When operator 16 provides seeks to provide a text message to the user of decoder 13 or combo user device 15 by use of carrier signal 20, operator 16 preferably enters a message into a computer source that converts the textual information into the proper string of signal presences (i.e., ones) and signal absences (i.e., zeros) in either real time or at a time set by use of the SMPTE time code 38. The message is then passed from operator 16 to encoder 12 by carrier presence 38.